

Applicant : Randy L. Walter
Appln. No. : 10/079,230
Page : 3

In the Claims:

This listing of claims will replace all prior versions and listings, of claims in the application:

1. (withdrawn) An airport map display system for an aircraft comprising:
a user interface comprising,
a display screen, and
a map selection input;
a data storage device capable of storing data representative of at least one airport map;
and
a processor in communication with said display screen, said map selection input, and
said data storage device, wherein said processor generates airport map data comprising
location points computed relative to a reference point and provides said airport map data to the
display screen.
2. (withdrawn) The airport map display system of claim 1, wherein said reference point
is said aircraft.
3. (withdrawn) The airport map display system of claim 1, wherein said location points
are representative of latitude and longitude coordinates.
4. (withdrawn) The airport map display system of claim 1, wherein said data
representative of an airport map comprises data representative of a runway and a taxiway.
5. (withdrawn) The airport map display system of claim 1, wherein said data
representative of an airport map comprises data representative of a taxi route.
6. (withdrawn) The airport map display system of claim 1, wherein said data
representative of an airport map comprises data representative of an airport structure selected

Applicant : Randy L. Walter
Appln. No. : 10/079,230
Page : 4

from the group consisting of a gate, a terminal building, a runway, a taxiway, a ramp area, and a deicing station.

7. (withdrawn) The airport map display system of claim 1, wherein said location points are scaled to represent an enlarged or reduced size airport structure.

8. (withdrawn) The airport map display system of claim 7, wherein said location points are a function of an Earth radius value.

9. (withdrawn) The airport map display system of claim 1, wherein said airport map data comprises raster labels intended for representing enroute flight symbology.

10. (withdrawn) The airport map display system of claim 1, wherein said user interface comprises an EFIS control panel.

11. (withdrawn) The airport map display system of claim 1, wherein said user interface comprises a dual use input that activates the display of airport map data when a taxi-related page is active.

12. (withdrawn) The airport map system of claim 1, wherein said data storage device stores a predefined standard taxi route.

13. (withdrawn) The airport map system of claim 1, wherein said display screen is a head-down display (HDD).

14. (withdrawn) The airport map system of claim 1, wherein said display screen is a head-up display (HUD).

Applicant : Randy L. Walter
Appln. No. : 10/079,230
Page : 5

15. (withdrawn) The airport map system of claim 1, wherein said user interface comprises a multifunction control display unit (MCDU).

16. (withdrawn) The airport map system of claim 1, wherein said processor is a flight management computer (FMC).

17. (currently amended) A method of airport map data interchange in an aircraft comprising the steps of:

obtaining the coordinates of a reference location;

obtaining the coordinates of an airport structure;

communicating said reference location to a display device;

computing relative structure coordinates of ~~an~~ the airport structure relative to said reference location; ~~and~~

scaling the relative structure coordinates;

converting the scaled relative structure coordinates to absolute position coordinates; and

communicating said structure coordinates to said display device.

18. (original) The method of airport map data interchange of claim 17, wherein said reference location is a portion of said aircraft.

19. (currently amended) The method of airport map data interchange of claim 17, wherein the step of ~~further comprising the step of~~ scaling said relative structure coordinates comprises scaling as a function of reference coordinates and the airport feature coordinates.

20. (original) The method of airport map data interchange of claim 17 further comprising the step of computing taxi route coordinates relative said reference location and communicating said taxi route coordinates to said display device.

Applicant : Randy L. Walter
Appln. No. : 10/079,230
Page : 6

21. (currently amended) The method of airport map data interchange of claim 17 further comprising the step of communicating said structure coordinates responsive to [[a]] activation of an dual use input when a taxi-related page is displayed on a display screen.

22. (new) A method of airport map data interchange in an aircraft comprising the steps of:
obtaining the coordinates of a reference location;
obtaining the coordinates of an airport structure;
computing relative coordinates of the airport structure relative to the reference location;
scaling the relative coordinates of the airport structure;
converting the scaled relative coordinates of the airport structure to absolute position coordinates; and
displaying the absolute position coordinates on a display device.

23. (new) The method as defined in claim 22, wherein the reference location is a portion of said aircraft.

24. (new) The method as defined in claim 22 further comprising the step of:
communicating said absolute position coordinates to a display device.